

FIG. 1

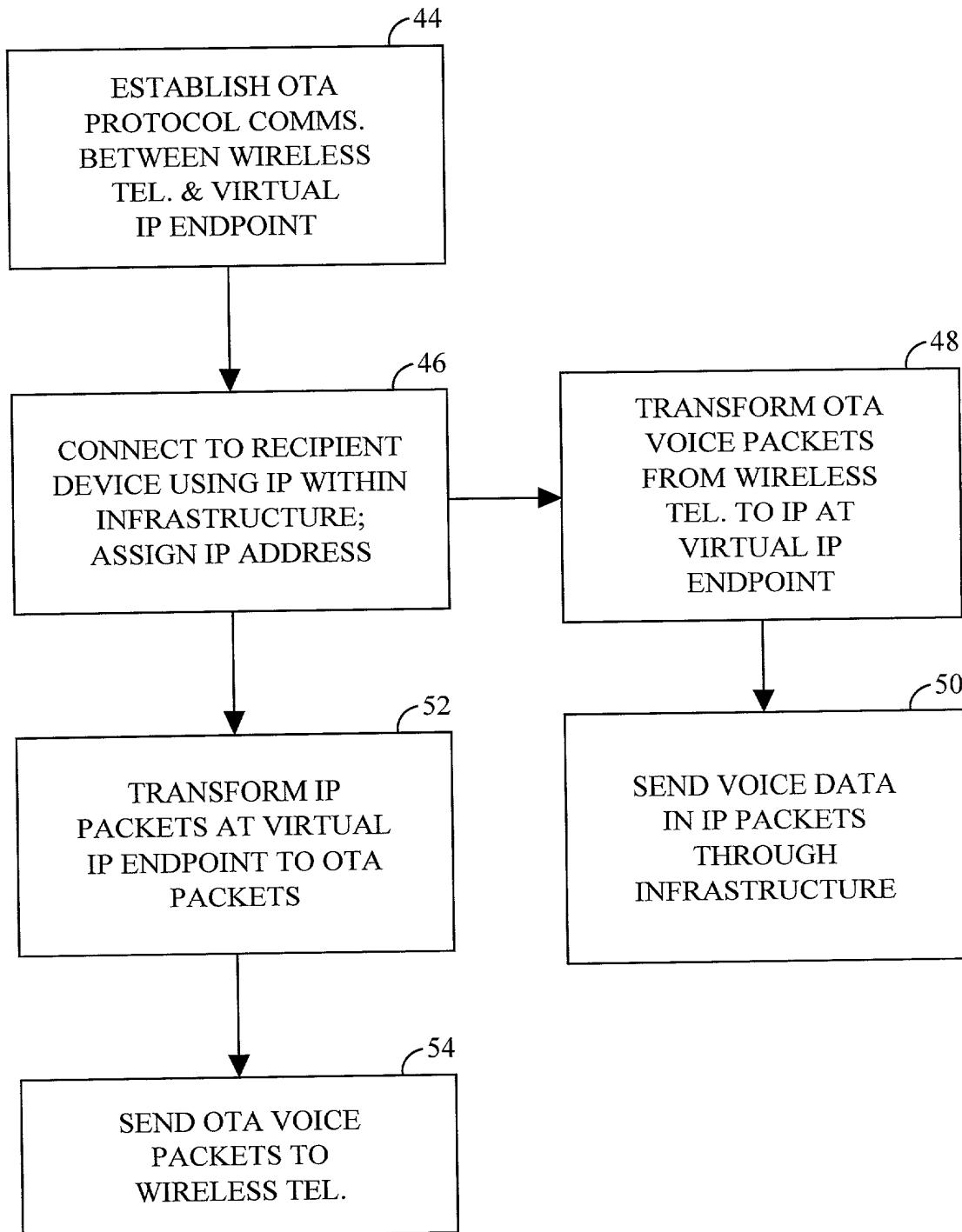
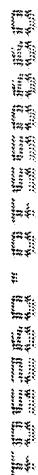


FIG. 2

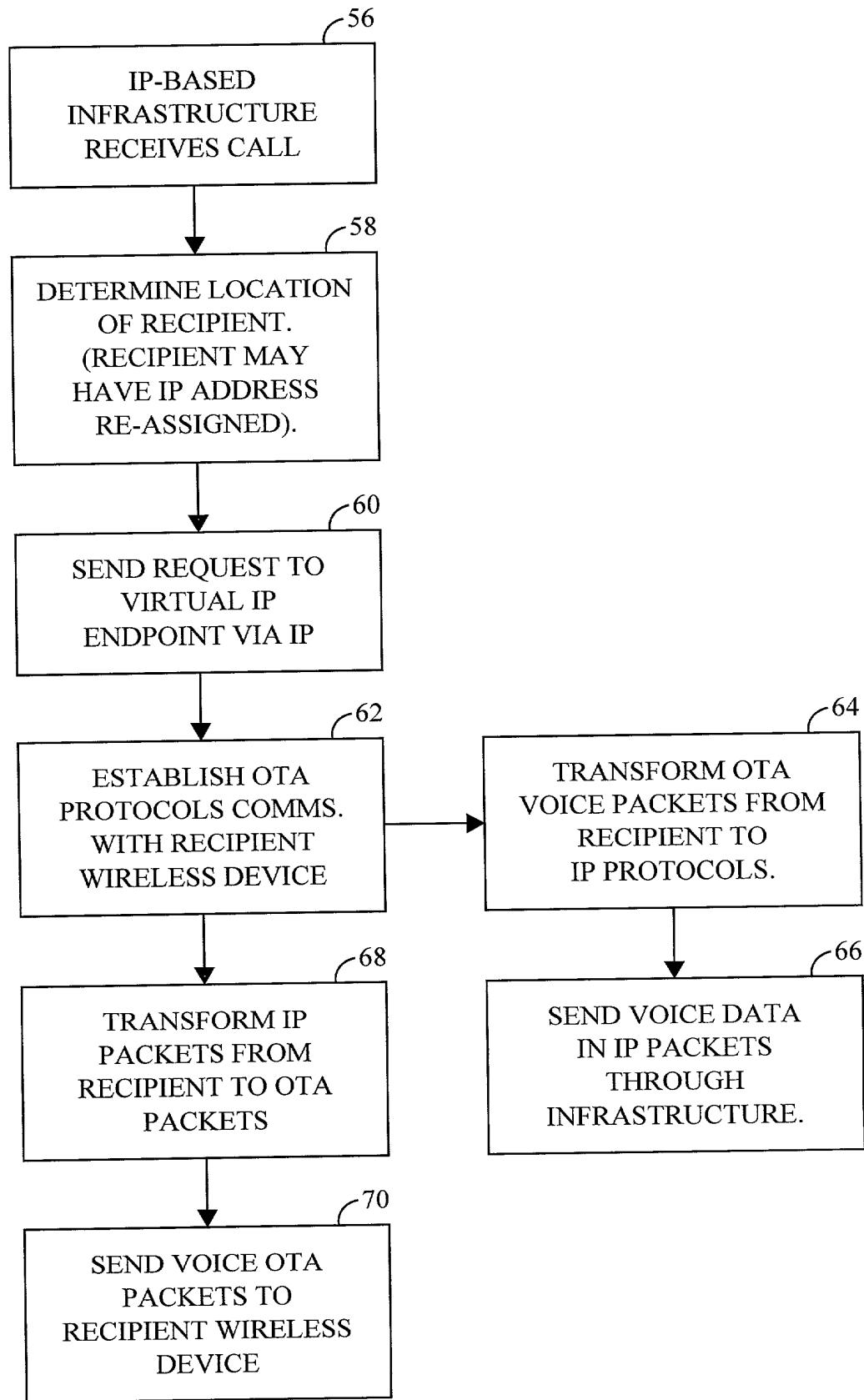


FIG. 3

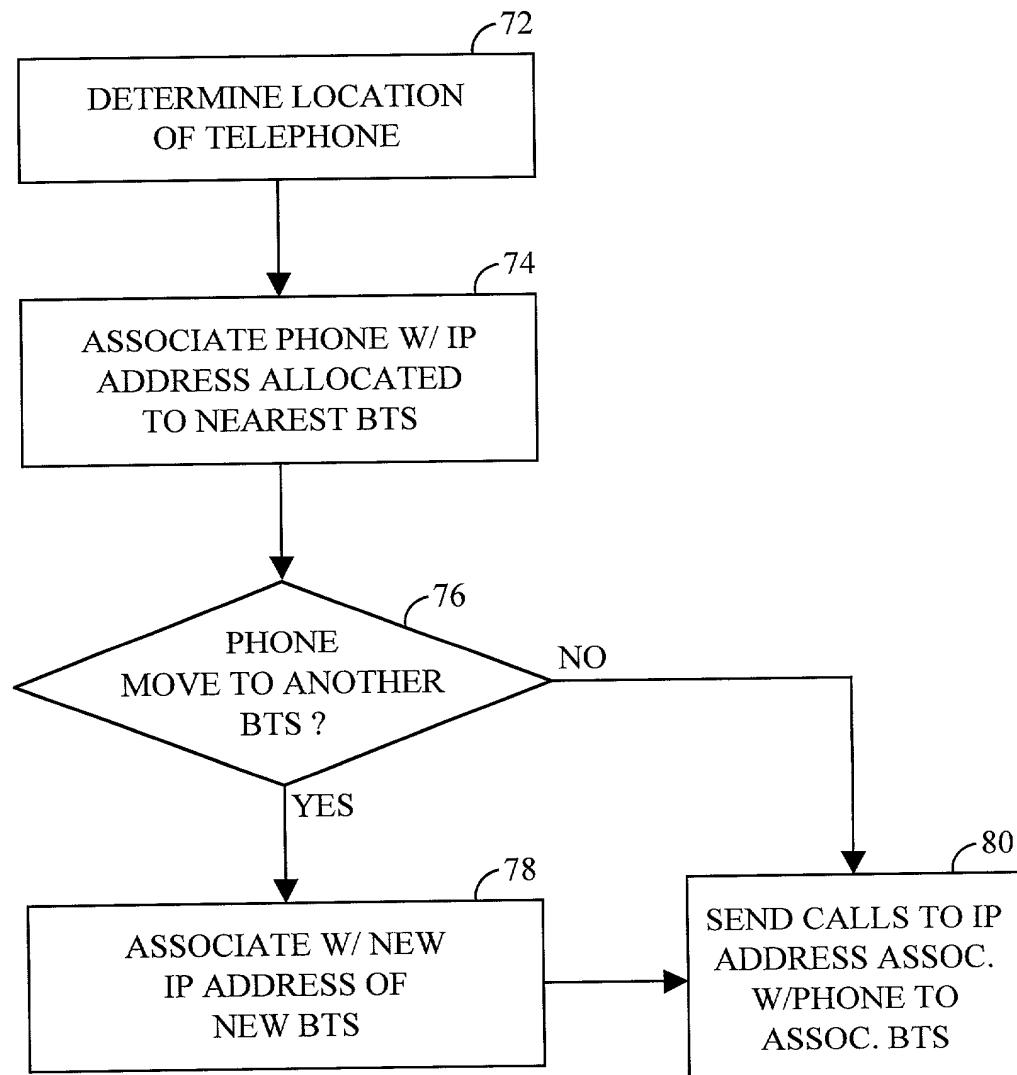


FIG. 4

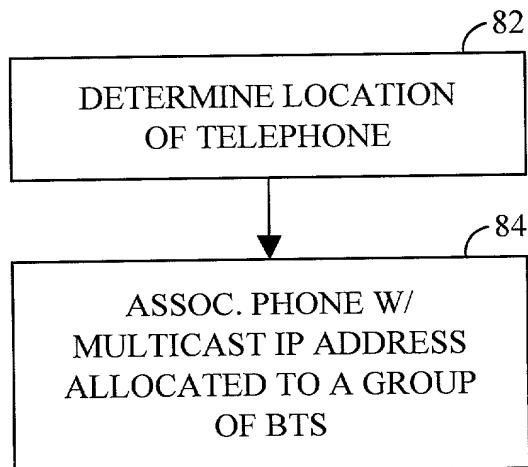


FIG. 5

REGISTER sip:registrar.qc-pbx.com SIP/2.0
 Via: SIP/2.0/UDP CAP1.qc-pbx.com
 To: <sip:8586517777@CAP1.qc-pbx.com> 104
 From: <sip:8586517777@CAP1.qc-pbx.com>; ESN=74020fff;IMSI_CLASS=0
 (Proxy-Authorization: CDMA-CAVE=1.0
 102 AUTHR="xxxxxxxx",
 112 RANDC="yyyyyyyy",
 112 COUNT="zzzzzzzz"
 X-CDMA-ACHP: MOB_TERM=1;SCM=106;PM=0;ENCRYPTION_SUPPORTED=0;
 PACA_SUPPORTED=0
 Call-id:90@qc-pbx.com
 CSeq: 1 REGISTER
 Contact: <sip:8586517777@CAP1.qc-pbx.com>
 Content-Length:0

FIG. 6

INVITE sip:8586510000@qc-pbx.com SIP/2.0
 Via: SIP/2.0/UDP CAP1.qc-pbx.com
 To: <sip:8586510000@qc-pbx.com> 206
 From: <sip:8586517777@CAP1.qc-pbx.com>; ESN=74020fff;IMSI_CLASS=0
 Call-id:100@qc-pbx.com 204
 CSeq: 1 INVITE 202
 X-CDMA-ACHP: MOB_TERM=1;SCM=106;PM=0;ENCRYPTION_SUPPORTED=0;
 PACA_SUPPORTED=0 212
 Contact: <sip:8586517777@CAP1.qc-pbx.com>
 Content-Type: application/sdp
 Content-Length:128

v=0
 0=8586514321 112233 445566 IN IP4 8586517777@CAP1.qc-pbx.com
 s=-
 c=IN IP4 10.11.12.1
 t=0 0
 a=sendrec

FIG. 7

IS-95B ACCESS CHANNEL PARAMETER DETAILS

IS-95B ACCESS CHANNEL PARAMETER	DESCRIPTION	SIP FIELD
MSID	MOBILE STATION IDENTIFICATION NUMBER OR COMBINATION OF NUMBERS USED TO UNIQUELY IDENTIFY THE MOBILE TO THE INFRASTRUCTURE. THE MSID CONSISTS OF THE MOBILE ESN (ELECTRONIC SERIAL NUMBER), IMSI (INTERNATIONAL MOBILE STATION IDENTIFY), IMSI AND ESN, OR TMSI (TEMPORARY MOBILE STATION IDENTIFY).	<ul style="list-style-type: none"> ▪ FROM HEADER ▪ CONTACT HEADER ▪ X-CDMA HEADER
AUTHR	AUTHENTICATION RESPONSE AN 18-BIT OUTPUT OF THE CDMA AUTHENTICATION ALGORITHM, USED TO VALIDATE MOBILE STATION ORIGINATIONS, REGISTRATIONS AND TERMINATIONS.	<ul style="list-style-type: none"> ▪ 407 PROXY AUTHENTICATE EXTENSION
RANDC	RANDC THE 6 MOST SIGNIFICANT BITS OF RAND, THE RANDOM NUMBER ISSUED BY THE INFRASTRUCTURE FOR INPUT TO THE CDMA AUTHENTICATION ALGORITHM.	<ul style="list-style-type: none"> ▪ 407 PROXY AUTHENTICATE EXTENSION
COUNT	CALL HISTORY PARAMETER COUNTER MAINTAINED BY THE MOBILE AND THE AUTHENTICATION CENTER OF THE NUMBER OF MOBILE CALL ATTEMPTS. USED TO ASSIST IN IDENTIFYING CLONE MOBILE STATIONS.	<ul style="list-style-type: none"> ▪ 407 PROXY AUTHENTICATE EXTENSION
IMSI_CLASS	IMSI CLASS USED TO DENOTE WHAT COMPONENTS ARE USED TO IDENTIFY THE MOBILE STATION TO THE INFRASTRUCTURE	<ul style="list-style-type: none"> ▪ FROM HEADER ▪ CONTACT HEADER ▪ X-CDMA HEADER
MOB_TERM	MOBILE STATION TERMINATION INDICATOR SET TO '1' IF THE MOBILE CAN TERMINATE CALLS IN ITS CURRENT ROAMING STATUS	<ul style="list-style-type: none"> ▪ X-CDMA HEADER
MOB_P_REV	MOBILE STATION PROTOCOL REVISION USED TO DETERMINE IF THE PROTOCOL REVISIONS SUPPORTED BY THE MOBILE STATION AND THE INFRASTRUCTURE ARE COMPATIBLE.	<ul style="list-style-type: none"> ▪ X-CDMA HEADER

IS95B ACCESS CHANNEL PARAMETER	DESCRIPTION	SIP FIELD
SPECIAL_SERVICE	SPECIAL SERVICE OPTION INDICATOR USED BY THE MOBILE TO INDICATE A REQUEST FOR A SERVICE OPTION OTHER THAN THE DEFAULT SERVICE OPTION	<ul style="list-style-type: none"> SDP “m” (MEDIA INFORMATION) HEADER FIELD. MAY ALSO BE PART OF THE SDP “a” (MEDIA ATTRIBUTE) HEADER FIELD.
SERVICE_OPTION	SERVICE OPTION INDICATOR USED BY THE MOBILE STATION TO INDICATE A REQUEST FOR A SPECIFIC SERVICE OPTION	<ul style="list-style-type: none"> SDP “m” (MEDIA INFORMATION) HEADER FIELD. MAY ALSO BE PART OF THE SDP “a” (MEDIA ATTRIBUTE) HEADER FIELD.
PM	PRIVACY MODE INDICATOR USED TO INDICATE OVER-THE-AIR PRIVACY MODE.	<ul style="list-style-type: none"> X-CDMA HEADER
CHAR	DIALED DIGIT OR CHARACTER INDICATES WHAT FORMAT DIALED DIGITS ARE SENT, EITHER DMTF OR ASCII	<ul style="list-style-type: none"> TO HEADER
PACA	PRIORITY ACCESS AND CHANNEL ASSIGNMENT A PRIORITY MOBILE-ORIGINATED CALL FOR WHICH THERE IS NO OTA RESOURCE AVAILABLE WHEN THE CALL IS ORIGINATED; WHICH HAS BEEN QUEUED FOR PRIORITY ACCESS CHANNEL ASSIGNMENT.	<ul style="list-style-type: none"> X-CDMA HEADER
ENCRYPTION_SUPPORTED	INDICATES SUPPORT FOR OTA ENCRYPTION OF CDMA SIGNALING.	<ul style="list-style-type: none"> X-CDMA HEADER

FIG. 8 (con't.)